



ecology and environment, inc.

International Specialists in the Environment

1999 Bryan Street
Dallas, Texas 75201
Tel: (214) 220-0318, Fax: (214) 855-1422

MEMORANDUM

TO: Chris Petersen, DPO
EPA Region 6

THRU: Chris Quina, TATL
Region 6 Technical Assistance Team

FROM: Vicki Harting, Ecology and Environment, Inc.
Region 6 Technical Assistance Team

DATE: June 30, 1994

REF: TAT Contract Number 68-WO-0037
TDD# T06-9405-903
PAN# ETX1499SAA

SUBJECT: Cover Memorandum for the Re-evaluation of the Mobile Waste Control Site
for HRS Consideration. Houston, Harris County, Texas.
CERCLIS ID TXD988051652

The Region 6 Technical Assistance Team (TAT) was tasked by the U. S. Environmental Protection Agency (EPA) to re-evaluate for HRS considerations the Mobile Waste Control Site in Houston, Harris County, Texas. The objectives of this task were to generate a site score based on the revised HRS with the available data, identify data gaps which would influence the site score and provide the EPA sufficient information to make the determination of whether further investigation is warranted or whether the site receives the classification of No Further Remedial Action Planned (NFRAP) under the Superfund Amendments and Reauthorization Act. Specifically for this site, TAT was asked re-evaluate the site using HRS quality ground water data including: defining the Chicot and Evangeline Aquifers using site specific data; verifying ground water targets within a 4-mile radius and characterizing the source using soil and monitoring well samples taken at the site.

The source characterization of the landfill was re-evaluated using both the contaminants found in both the soil samples and the monitoring well samples. The highest level of contamination in either the soil or ground water samples was used to characterize the source. Chromium, copper and iron concentrations were taken from the monitoring well sample GW-7, and PCB concentrations were taken from the source soil sample, SO 1.

The depth to the Chicot Aquifer was verified at the depth of contamination, eight feet. The Chicot Aquifer includes all deposits from the land surface to the top of the Evangeline Aquifer



(Ref. 14, p. 10).

The interconnection between the Upper and Lower Chicot Aquifer and Evangeline Aquifer is viable within all the layers of the aquifers (Ref. 10).

The ground water targets were found to be inflated within the ½ - 1 and 1 - 2 mile target distance limits. In the ½ - 1 mile radius, it was determined that only three individuals used the Houston Lighting and Power Company industrial well for drinking water purposes. The total number of targets for ground water within ½ - 1 mile radius was found to be 20 individuals. In the 1 - 2 mile radius, it was found that the public drinking water standby well serving 9,843 individuals had been abandoned. The total population using ground water for drinking water purposes within the 1 - 2 mile radius is 168. However, a new public standby well was located within the 2 - 3 target distance limit. This well serves approximately 5,500 individuals. No other public drinking water wells are located within the 4-mile radius of the site (Ref. 11).

After evaluation, the site score fell below the National Priority Listing cutoff score of 28.5 with a score of 19.29.